CONFIDENTIAL

File
RD-91 SA

[redacted] GOVERNMENT & INDUSTRIAL DIV. 25X1

H-2061-ARA-141-56 October 1, 1956

Subject: Meeting with Department of Defense on H-2061 Equipment - September 26 and 27, 1956.

Present: [redacted] 25X1

1) Two (2) Passive Intercept Receiving Systems including Filters and Calibrator will be completed. The third system will not be completed.

2) Complete Spare Parts for two (2) systems is required. A quotation is to be prepared to estimate additional funds required.

3) A revised quotation is to be prepared to estimate the cost of the design of, construction of, and spare parts for Modification Kits for the inclusion of CW reception capabilities for two (2) Systems. The revision is necessary since additional design work will be required to achieve the -35dbm minimum sensitivity desired.

4) Sales is to initiate a quotation number for a Study Program to improve CW Detection in Crystal Video Receivers. This work is to be done at X band with a goal of -45dbm minimum sensitivity. A breadboard model or models and an engineering report will be deliverable. The study phase is to include:

No

Subject to expression of interest by SPD (FS)

a) Improved Detector Mounts and Crystal Detectors
b) Improved Transistor Circuitry for CW Detection
c) RF Modulation and other new methods.

A second phase may include prototype models dependent upon the results of the study phase. [redacted] with contract numbers of prior art in the [redacted] primarily those employing transistors. 25X1

5) The quotation for 250 Amplifier Units is to be revised as follows:

a) A firm quotation is to be submitted for Phase I of this program to include ten (10) developmental units, environmental tests, and an engineering report. The system is to include [redacted] minimum sensitivity. 25X1

b) A budgetary estimate is to be submitted on Phase II which is to include the production of a minimum of 170 to a maximum of 200 Amplifier Units.

[redacted] 25X1

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For this work the customer will furnish [redacted] with a Pre-amplifier, an Antenna and a Recorder. 25X1

6) The status of System No. 1 was reviewed with a trip to [redacted] where Systems Tests are underway. The [redacted] components, namely, helical antennas, filters for Bands 5 and 6 and the modified "Grace Mount" crystal detector are to be [redacted] catalog items, therefore, only control drawings will be submitted. 25X1 25X1 25X1

7) Future developement of the system was discussed. With the use of the newly developed spiral antennas it was felt that an appreciable size reduction in the antenna structure could be achieved. [redacted] will contact [redacted], to determine the possible use of this type of antenna and the company's interest in producing antennas specifically for this system. The possibility of combining the present Bands 1 and 2 and obtaining good performance as low as 50 megacycles seems likely with the spiral model. This and developement of suitable antennas above 40 KMc is of interest to the customer. 25X1 25X1

[redacted] 25X1

Project Engineer

mc

cc: [redacted] 25X1